



**Attachment to Amendment dated December 19, 2001
Marked-up Copy**

Please replace the paragraph at page 2, lines 16-21, with the following paragraph:

Many [anti-known inflammatory] known anti-inflammatory compositions reduce the inflammatory response, but are also immunosuppressive. For example, corticosteroids are potent anti-inflammatory agents, but are associated with T-cell suppression and increased infections. Interleukin-10 (as well as IL-4 and IL-3 to lesser extents) are broadly acting anti-inflammatory agents, but are associated with decreased cell mediated immune functions.

Please replace the paragraph at page 6, line 22 - page 7, line 1, with the following paragraph:

Very small particulate bioactive glass has the property of exerting an anti-inflammatory effect when administered systemically. It appears that the bioactive glass suppresses the production of tissue necrosis factor alpha (TNF- α) [and interleukin-6 (IL-6)]. TNF- α is a powerful pro-inflammatory cytokine that not only participates in the normal inflammatory response, but is also implicated in myocardial dysfunction and cardiomyocyte death in ischemia-reperfusion injury, sepsis, chronic heart failure, viral myocarditis and cardiac allograft rejection, as well as a host of other inflammatory disorders. Accordingly, by suppressing the production of TNF- α , the compositions reduce the likelihood of these disorders occurring.

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